

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER 441P102
INTERNATIONAL APPLICATION NO. PCT/JP2005/000761		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/585699</b>
INTERNATIONAL FILING DATE 21 January 2005		PRIORITY DATE CLAIMED 26 January 2004
TITLE OF INVENTION Photosensitive Resin Composition and Cured Product Thereof		
APPLICANT(S) FOR DO/EO/US Hiroo Koyanagi, Ryutaro Tanaka and Hideaki Kametani		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.		
2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.		
3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.		
4. <input checked="" type="checkbox"/> The US has been elected (Article 31).		
5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ul>		
6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ul>		
7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ul>		
8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).		
9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).		
10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).		
<b>Items 11 to 20 below concern document(s) or information included:</b>		
11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.		
12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.		
13. <input type="checkbox"/> A preliminary amendment.		
14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.		
15. <input type="checkbox"/> A substitute specification.		
16. <input type="checkbox"/> A power of attorney and/or change of address letter.		
17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.		
18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).		
19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

USPTO Rec'd PCT/PTO 10 JUL 2006

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/585699</b>		INTERNATIONAL APPLICATION NO. PCT/JP2005/000761		ATTORNEY'S DOCKET NUMBER 441P102	
20. Other items or information: 1. Copy of the International Search Report. 2. Copy of Forms PCT/IB308 and PCT/IB/304					
The following fees have been submitted				<b>CALCULATIONS</b>	<b>PTO USE ONLY</b>
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300				\$ 300.00	
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))					
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations..... \$200				\$ 200.00	
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 All other situations..... \$500				\$ 400.00	
<b>TOTAL OF 21, 22 and 23 =</b>				900.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250	\$ -	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$ 130.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	8 - 20 =	0	x \$ 50	\$ 0	
Independent claims	1 - 3 =	0	x \$200	\$ 0	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$ 360.00	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 1,390.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				-	
<b>SUBTOTAL =</b>				\$ 1,390.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$ -	
<b>TOTAL NATIONAL FEE =</b>				\$ 1,390.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$ -	
<b>TOTAL FEES ENCLOSED =</b>				\$ 1,390.00	
				Amount to be refunded:	\$
				Amount to be charged	\$

10/585699

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

- 10 JUL 2006
- a. ☒ A check in the amount of \$ 1,390.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-0930. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO: CUSTOMER NO: 42754

Nields & Lemack  
176 E. Main Street - Suite 7  
Westboro, MA 01581

  
SIGNATURE

Kevin S. Lemack  
NAME

32,579  
REGISTRATION NUMBER

10/585699

IAP6 Rec'd PCT/PTO 10 JUL 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Hiroo Koyanagi et al.  
Serial No. : Not yet assigned (PCT/JP2005/000761)  
Filed : Herewith by Express Mail (21 January 2005)  
For : PHOTSENSITIVE RESIN COMPOSITION AND CURED  
PRODUCT THEREOF  
Examiner : Not yet assigned  
Art Unit : Not yet assigned  
Attorney  
Docket No. : 441P102  
Type of paper : Letter

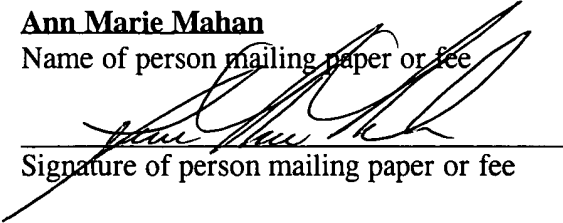
"EXPRESS MAIL" MAILING LABEL NO EQ 316343196 US

DATE OF DEPOSIT: July 10, 2006

I hereby certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, **Mail Stop: PCT**, Alexandria, VA 22313-1450.

**Ann Marie Mahan**

Name of person mailing paper or fee

  
\_\_\_\_\_  
Signature of person mailing paper or fee

10/585699

10/585699 PCT/PTO 10 JUL 2006

Attorney Docket No. 441P102

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **Hiroo Koyanagi, Ryutaro Tanaka and Hideaki Kametani**

For: **PHOTOSENSITIVE RESIN COMPOSITION AND CURED PRODUCT THEREOF**

Commissioner for Patents  
P.O. Box 1450  
Mail Stop: PCT  
Alexandria, VA 22313-1450

Sir: LETTER

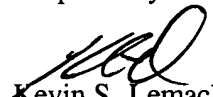
The above-identified applicants enclose for filing the national phase of a PCT patent application (PCT/JP2005/000761) entitled "**PHOTOSENSITIVE RESIN COMPOSITION AND CURED PRODUCT THEREOF**". Said attached PCT patent application includes (1) Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. 371 (3-Pages); (2) Translation of the International Application into English: PCT Request (5-Pages), 29-Page Specification (including 2-Pages of Claims (7) and 1-Page Abstract); (3) Check in the amount of \$1,390.00 in payment of the Filing Fee; (4) Copy of the International Search Report (2-pages); (5) Copy of the Notice Informing the Applicant of the Communication of the International Application to the Designated Offices (Form PCT/IB/308)(1-Page); and (6) Copy of the Notification Concerning Submission of Priority Document (Form PCT/IB/304)(1-Page).

**The executed Declaration will be submitted in due course.**

All correspondence concerning this application should be mailed to: **CUSTOMER NO: 42754**

**Kevin S. Lemack  
Nields & Lemack  
176 E. Main Street - Suite 7  
Westboro, Massachusetts 01581**

Respectfully submitted,

  
Kevin S. Lemack  
Attorney for Applicant  
Registration No. 32,579

Date: July 10, 2006

**EXPRESS MAIL NO: EQ 316343196 US**

10/585699

10 JUL 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

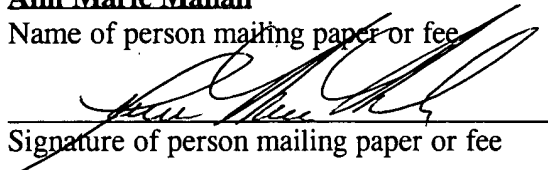
Applicant : Hiroo Koyanagi et al.  
Serial No. : Not yet assigned (PCT/JP2005/000761)  
Filed : Herewith by Express Mail (21 January 2005)  
For : PHOTSENSITIVE RESIN COMPOSITION AND CURED  
PRODUCT THEREOF  
Examiner : Not yet assigned  
Art Unit : Not yet assigned  
Attorney  
Docket No. : 441P102  
Type of paper : **Transmittal Letter to the United States Designated/Elected Office  
(DO/EO/US) Concerning a Filing Under 35 U.S.C. 371**

"EXPRESS MAIL" MAILING LABEL NO EQ 316343196 US  
DATE OF DEPOSIT: July 10, 2006

I hereby certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, **Mail Stop: PCT**, Alexandria, VA 22313-1450.

**Ann Marie Mahan**

Name of person mailing paper or fee

  
Signature of person mailing paper or fee

10/585699

IAP6 Rec'd PCT/PTO 10 JUL 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

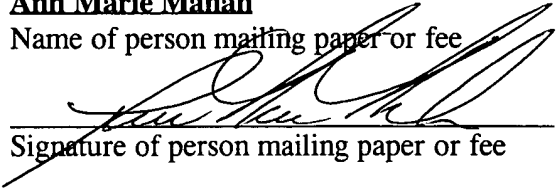
Applicant : Hiroo Koyanagi et al.  
Serial No. : Not yet assigned (PCT/JP2005/000761)  
Filed : Herewith by Express Mail (21 January 2005)  
For : PHOTSENSITIVE RESIN COMPOSITION AND CURED  
PRODUCT THEREOF  
Examiner : Not yet assigned  
Art Unit : Not yet assigned  
Attorney  
Docket No. : 441P102  
Type of paper : Translation of the International Application into English

"EXPRESS MAIL" MAILING LABEL NO EQ 316343196 US  
DATE OF DEPOSIT: July 10, 2006

I hereby certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Mail Stop: PCT, Alexandria, VA 22313-1450.

**Ann Marie Mahan**

Name of person mailing paper or fee

  
Signature of person mailing paper or fee

10/585699  
10 JUL 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

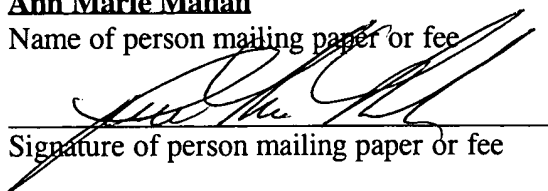
Applicant : Hiroo Koyanagi et al.  
Serial No. : Not yet assigned (PCT/JP2005/000761)  
Filed : Herewith by Express Mail (21 January 2005)  
For : PHOTSENSITIVE RESIN COMPOSITION AND CURED  
PRODUCT THEREOF  
Examiner : Not yet assigned  
Art Unit : Not yet assigned  
Attorney  
Docket No. : 441P102  
Type of paper : Copy of the Notification Concerning Submission or Transmittal of  
Priority Document (Form PCT/IB/304)

"EXPRESS MAIL" MAILING LABEL NO EQ 316343196 US  
DATE OF DEPOSIT: July 10, 2006

I hereby certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, **Mail Stop: PCT**, Alexandria, VA 22313-1450.

**Ann Marie Mahan**

Name of person mailing paper or fee

  
Signature of person mailing paper or fee



10/585699

IAP6 Rec'd PCT/PTO 10 JUL 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

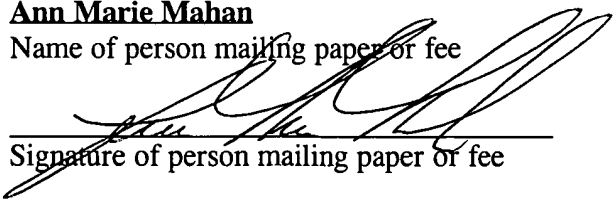
Applicant : Hiroo Koyanagi et al.  
Serial No. : Not yet assigned (PCT/JP2005/000761)  
Filed : Herewith by Express Mail (21 January 2005)  
For : PHOTSENSITIVE RESIN COMPOSITION AND CURED  
PRODUCT THEREOF  
Examiner : Not yet assigned  
Art Unit : Not yet assigned  
Attorney  
Docket No. : 441P102  
Type of paper : Copy of the Notice Informing the Applicant of the  
Communication of the International Application to the Designated  
Offices (Form PCT/IB/308)

"EXPRESS MAIL" MAILING LABEL NO EQ 316343196 US  
DATE OF DEPOSIT: July 10, 2006

I hereby certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, **Mail Stop: PCT**, Alexandria, VA 22313-1450.

**Ann Marie Mahan**

Name of person mailing paper or fee

  
\_\_\_\_\_  
Signature of person mailing paper or fee

10/585699

103 1001730170 10 JUL 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

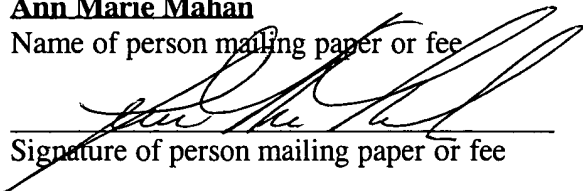
Applicant : Hiroo Koyanagi et al.  
Serial No. : Not yet assigned (PCT/JP2005/000761)  
Filed : Herewith by Express Mail (21 January 2005)  
For : PHOTSENSITIVE RESIN COMPOSITION AND CURED  
PRODUCT THEREOF  
Examiner : Not yet assigned  
Art Unit : Not yet assigned  
Attorney  
Docket No. : 441P102  
Type of paper : **Copy of the International Search Report**

"EXPRESS MAIL" MAILING LABEL NO EQ 316343196 US  
DATE OF DEPOSIT: July 10, 2006

I hereby certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, **Mail Stop: PCT**, Alexandria, VA 22313-1450.

**Ann Marie Mahan**

Name of person mailing paper or fee

  
\_\_\_\_\_  
Signature of person mailing paper or fee

10/585699

IAPS Rec'd PCT/PTO 10 JUL 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

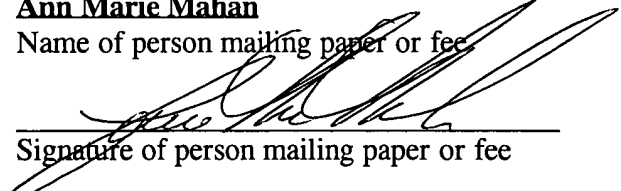
Applicant : Hiroo Koyanagi et al.  
Serial No. : Not yet assigned (PCT/JP2005/000761)  
Filed : Herewith by Express Mail (21 January 2005)  
For : PHOTSENSITIVE RESIN COMPOSITION AND CURED  
PRODUCT THEREOF  
Examiner : Not yet assigned  
Art Unit : Not yet assigned  
Attorney  
Docket No. : 441P102  
Type of paper : **Filing Fee**

"EXPRESS MAIL" MAILING LABEL NO EQ 316343196 US  
DATE OF DEPOSIT: July 10, 2006

I hereby certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, **Mail Stop: PCT**, Alexandria, VA 22313-1450.

**Ann Marie Mahan**

Name of person mailing paper or fee

  
\_\_\_\_\_  
Signature of person mailing paper or fee